



## Technical Data Sheet

### Circular Flushglaze Rooflight

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**Name:** Circular Flushglaze

**Type:** Fixed flat circular rooflight

#### Description:

The Circular Flushglaze is a fixed product designed to provide maximum daylight with minimum visible internal structure. It is available as a standard product, a fire-rated product and as a walk-on product.

A variety of optional extras such as special colour and easy clean coating are available.

This product is robust and long-lasting, boasting excellent thermal performance and air tightness.

**Intended Use:** Fixed rooflight to provide natural daylight and weather resistance. The product is fixed and does not open. Only walk-on units may be walked on, and only fire-rated units are certified as such.

**External Weathered Uprand Dimensions of Standard Flushglaze Unit:**

Min Diameter:	669 mm	Max Diameter:	2000 mm
Min Uprand Pitch:	3°	Max Uprand Pitch:	70°

*Glazing Vision recommends a pitch of at least 5° for standard units.*

**External Weathered Uprand Dimensions of Walk-On Flushglaze Unit:**

Min Diameter:	669 mm	Max Diameter:	1335 mm
Min Uprand Pitch:	1°	Max Uprand Pitch:	70°

*Glazing Vision recommends a pitch of 1° for walk-on units.*

**External Weathered Uprand Dimensions of Fire-Rated Flushglaze Unit:**

Min Diameter:	669 mm	Max Diameter:	1314 mm
Min Uprand Pitch:	3°	Max Uprand Pitch:	10°

*Glazing Vision recommends a pitch of at least 5° for fire-rated units. Kerb width must be between 75mm and 150mm.*

Note that the minimum and maximum diameter and pitch are dependent on various factors, your technical sales advisor will be happy to advise on these. Further information on upstand requirements and product dimensions can be found on our website or by contacting your technical sales advisor.

**Glazing:** A wide variety of glazing specifications are available for this product. Your technical sales advisor will be happy to answer any questions regarding specific glass specifications or glazing performance requirements. Otherwise, quotes include suitable and cost effective glazing proposals.

Unless otherwise stated, the default loadings used for specifying walk-on glass will be a distributed load of 1.50 kN/m<sup>2</sup> and a concentrated load of 2.00 kN per a 50 mm x 50 mm square area (standard domestic loadings). A variety of anti-slip finishes are available for walk-on glass.

#### Standard Colours:

Qualicoat approved RAL 7015 slate grey outer, no inner framework is visible.

#### Performance and Weathertightness:

The aluminium frame of the product employs a foam tape gasket to thermally isolate the frame from the interior of the building. Structural integrity is assured through the use of finite element analysis (FEA) and testing.

U-values are calculated for each product and will be supplied in our quote. Further information and specific performance details can be obtained from your technical sales advisor.

Standard and walk-on products are sealed to the upstand using silicone. Fire-rated products are sealed to the upstand using ceramic fire-rated tape and fire-rated silicone. The product is fixed in place with structural fixings.

The standard Flushglaze unit has been thoroughly tested and achieved the following classification results:

Size: 2000 mm span x 2500 mm width Pitch: 0°

Test	Standard	Classification/Declared Value
Air permeability	EN 12207	Class 4 ±600 Pa
Watertightness	EN 12208	Class 9A 600 Pa

#### Security and Certification for Standard and Walk-On Flushglaze Units:

This product is designed with security as a priority. This product is tested to LPS2081 Issue 1:2015. It is approved by the Loss Prevention Certification Board (Cert/LPCB ref: 1347a) and Secured by Design:

##### Secure (Security Rating A)

The inner pane must be at least 8.8 mm PVB laminated glass (two 4 mm thick panes separated by an 0.8 mm thick PVB interlayer).

##### Secure+ (Security Rating B)

The inner pane must be at least 9.5 mm ionomer laminated glass (two 4 mm thick panes separated by a 1.5 mm thick ionomer interlayer).

#### Security and Certification for Fire-Rated Flushglaze Units:

This product has been tested and certified for 30 minutes integrity and 30 minutes insulation. Tests were by Building Research Establishment (BRE) Watford (13 Nov 2007) and approved by International Fire Consultants. The BRE test report is number 239658 and the field of application report is number IFCA/08008.

#### Security and Certification for All Flushglaze Units:

This product has been independently performance tested by the British Board of Agrément (certificate number 12/4895). To achieve certification, it underwent a rigorous testing regime that included weathertightness, security, thermal performance, structural integrity and durability of paints and sealants.

#### Optional Extras:

The following optional extras are available for this standard product at additional cost:

##### Easy Clean Coating:

A coating applied to the external face of the glass that facilitates water run-off. Helps the glass stay cleaner for longer and makes cleaning easier.

##### Special Colour:

This product has a single colour as standard. This can be swapped for a special colour.

##### EPDM:

A flexible membrane to provide additional waterproofing between the upstand and the product. This option is only available for the Walk-On Circular Flushglaze.

A suite of sales drawings is available.

Bespoke options may be available upon request but may incur additional design fees – contact your technical sales advisor for more information.